General Index of Articles and Editorials

(COMBUSTION-Vol. 9, No. 1, July, 1937, to and including Vol. 9, No. 12, June, 1938)

EDITORIALS—			
P	AGE		AGE
An Affront to the Engineering Profession(Dec. 1937)	19	High-Pressure Centrifugal Boiler Feed Pumps. By A. H. Richards	200
Bituminous Coal Act, The	19 19	(Apr. 1938) Improvements in Power Plant of The Gardner-Richardson Com-	20
Coal Commission Starts Anew(Mar. 1938)	19	pany. By Arthur R. Harvey(Jan. 1938) Income in the Engineering Profession(Nov. 1937)	29
Coal Research(June 1938)	19	Income in the Engineering Profession(Nov. 1937)	48
Effect of Water Walls on Combustion(Jan. 1938) Fly Ash Applications(Jan. 1938)	15 15	Insulation Computations. By F. Peiter and Dr. M. J. Fish (May 1938)	31
Freight Train Lengths vs. Power Costs(Feb. 1938)	17	Interpretation of Laboratory Coal Tests and Sampling Methods.	
Hydrostatic Testing(July 1937)	15	By G. B. Gould	35
Increased Electrical Output	19 15	Load Distribution on Boilers. By Y. C. Lu (May 1938)	23 27
Licensing of Patents (Apr. 1938)	19	Lubricating Oil for Circulating Systems of Steam Turbines	
Power Plant Theses(May 1938)	21	(Dec. 1937)	29
Pressing Forward(Aug. 1937)	15	Marcus Hook Plant of American Viscose Corporation. By Harry	20
Professional Engineers View Unionism. (Nov. 1937) Progress by Cooperation. (Mar. 1938)	17 19	A. Kuljian	33
Regional TVA's Proposed(July 1937)	15	Minimizing Coal Segregation. By Herbert V. Schiefer	
Smoke Abatement Truisms(May 1938)	21	Mar. 1938)	36
Sniping at the Professional Engineers (May 1938)	21 19	Neches Power Station Extension at Beaumont, Texas. By Maurice W. Carty. (Mar. 1938)	20
Steam Washing . (June 1938) Steam Wins First Round . (Oct. 1937)	19	rice W. Carty	
Teachers Accused of Bias(Apr. 1938)	19	Clark and R. S. Brown (Oct. 1937)	. 33
TVA Investigation, The	19 17	New Power Plant of Carnegie-Illinois Steel Corp (Dec. 1937) New Steam Generating Unit Carries Morris Paper Mills Load.	31
Variance in Smoke Ordinances	19	By J. A. Reitzel	16
Waterside (Sept. 1937)	19	New Steam Generating Units for Central Stations(July 1937)	24
		Operating Experiences at Burlington Generating Station. By John A. Inwright(Feb. 1938)	31
		Operating Experiences with Krämer Mill Firing at the Zschorne-	01
ARTICLES—		witz Power Station. By A. Bachmair(July 1937)	30
		Performance vs. Grindability(July 1937) Port Washington's Second Year. By M. K. Drewry. (Feb. 1938)	38 18
A.S.M.E. and A.I.M.E. Hold Joint Fuels Meeting (Nov. 1937)	32	Preliminary Operation of High-Pressure Units(Jan. 1938)	32
A.S.M.E. Annual Meeting Program(Nov. 1937)	49	Present Trends of Industrial Power Plant Practice. By F. H.	
Anthracite Conference	42	Rosencrants	31 24
(Dec. 1937)	20	Production of Power, The	33
Burning Fuel Oil and Natural Gas. By Frank G. Philo		Production of Power, The	26
(Apr. 1938) Carbon-Molybdenum Steel Pipe for Service at 750 to 1000 F.	27	Protection Against Intercrystalline Attack in Aqueous Solution	27
Chair on Thoughing Coats Stabon Par Coats Anhan (New 1937)	35 32	Pulverization of Anthracite	35 26
Chain- or Traveling-Grate Stokers. By Gosta Anbro. (Nov. 1937) Chemical Treatment of Coal and Coke, The. By P. Nicholls	04	Resistance Welding of Boiler Tubes(Feb. 1938)	34
(Nov. 1937)	36	Security of Employment in the Engineering Profession (July 1937)	27
Chief Engineer of Waterside Honored upon Retirement (Feb. 1938)	43	Segregation in Handling of Coal. By David R. Mitchell (Nov. 1937)	36
Circulation in Boiler Tubes. By Kurt Toensfeldt(Aug. 1937)	24	Segregation of Coal in an Industrial Steam Plant Bunker. By	00
Coal Selection. By R. A. Sherman(Nov. 1937)	34	R. A. Sherman and E. R. Kaiser (Dec. 1937)	25
Coal Selection for Underfeed Stokers. By J. E. Tobey	33	Selecting Coal for Pulverized Firing. By B. E. Tate. (Nov. 1937) Significance of Sulphur in Coal to the Consumer. By Henry	33
Combustible Gas Indicator Used for Detection of Hot Spots in		Significance of Sulphur in Coal to the Consumer. By Henry Kreisinger	28
Coal Storage Piles. By George F. Campau(Apr. 1938) Combustion of Pulverized Coal. By Henry Kreisinger	30	Smoke and Fly Ash from Spreader Stokers. By J. F. Barkley (June 1938)	37
(Jan. 1938)	23	Smoke Prevention and Elimination of Dust from Stacks of Gener-	01
Control for Sulzer Boiler (May 1938)	26	ating Stations By D. C. Weeks (July 1937)	21
Creep Test Data	37 20	Some Failures of Vertical Superheaters. By F. Mary	37
Creep Testing for Turbines. (July 1937) Economics of Subsidized Power, The. By Frank F. Fowle	20	Steam Contamination. By Sheppard T. Powell	01
Effect of Copper on Alloy Steels, The	29	(Sept. 1937–Nov. 1937)	90
Effect of Corrosion and Reversed Torsional Stresses(Oct. 1937)	43 43	Part I. Causes, Correction and Measurement (Sept. 1937) Part II. Steam Purification Equipment (Oct. 1937)	36 27
Effect of Sodium, Calcium and Magnesium Oxides on Ash Fusion	40	Part III. Determination of Steam Quality(Nov. 1937)	25
Temperature(Sept. 1937)	35	Steam Generating Equipment at Waterside Station, New York.	00
Electric Power Statistics. (June 1938) Engineer's Societies, The. By C. J. Nicastro. (Feb. 1938)	39 24	By H. A. Johnson and C. A. Kelting (Sept. 1937) Steam Power Developments. By C. W. E. Clarke (Nov. 1937)	41
Estimation of Radiant Heat Exchange in Boiler Furnaces. By	22	Steam Turbine Trends(Jan. 1938)	34
George A. Orrok and N. C. Artsay(Apr. 1938)	37	Study of Boiler Outages, A(Mar. 1938)	24
Evaporators and Their Applications. By Robert D Spear (Aug. 1937)	19	Superheaters for High-Temperature, High-Pressure Service. By	25
Extension to Riverside Station of The United Power Mfg. Co.	10	Frederic I. Epley	20
By C. A. Butler(June 1938) Feedwater Treatment and Steam Purification at Rochester	20	Place	25
(Oct. 1937)	26	Testing Turbine Materials for Creep	35
53,000-Kw, 3600-Rpm, Superposed Turbine for Waterside Station.		meister, Jr. and S. N. Fiala(Jan. 1938)	19
By G. B. Warren	27	"Topping" 12th St. Station, Virginia Electric and Power Company.	19
Flow of Water and Compressed Air in Pipes, The. By F. M. Van	24	By F. H. Spies	18
Deventer	38	Elliott	16
Barkley	32 32	(May 1938) Waterside No. 1 Station—The Third Step in Central Station De-	22
Fuels of Today and Tomorrow. By Arno C. Fieldner. (Aug. 1937)	35	velopment in New York. By George A. Orrok(Sept. 1937)	30
Guffey Act, the Coal Market and the Industrial Consumer, The. By G. B. Gould(Sept. 1937)	41	West Virginia Coals—Their Classification and Analyses. By P. B. Place	27
Heat Transfer—Counterflow vs. Parallel Flow. By J. H. Sengs-	41	When an Engineer Is Liable for Defective Plans and Specifications.	
taken(July 1937)	16	By Leo T. Parker	36

Bachmair, A.—Operating Experiences with Krämer Mill Firing at	01
the Zschornewitz Power Station	30
Plant(Dec. 1937) Smoke and Fly Ash from Spreader Stokers (June 1938)	$\frac{32}{37}$
Baumeister, Theodore, Jr. and S. N. Fiala—Tests on Draft Fans	
for Logan Steam Plant (Jan. 1938) Brown, R. S. and C. L. Clark—A New Low-Alloy Steel for High- Temperature Service (Oct. 1937) Butler, C. A.—Extension to Riverside Station of The United	19
Butler, C. A.—Extension to Riverside Station of The United	33
Power Mfg. Co	20
tion of Hot Spots in Coal Storage Piles(Apr. 1938)	30
Carty, Maurice W.—Neches Power Station Extension at Beaumont, Texas(Mar. 1938)	20
Clark, C. L. and R. S. Brown—A New Low-Alloy Steel for High- Temperature Service(Oct. 1937)	33
Clarke, C. W. E.—Steam Power Developments (Nov. 1937)	41
Drabelle, John M.—Requirements for an Engineer(Aug. 1937) Drewry, M. K.—Port Washington's Second Year(Feb. 1938)	$\frac{26}{18}$
Elliott, Louis—Utility Plant Supplying Steam to Packing Houses (Jan. 1938)	16
Epley, Frederic I.—Superheaters for High-Temperature, High-Pressure Service	25
Fiala, S. N. and Theodore Baumeister, Jr.—Tests on Draft Fans	
for Logan Steam Plant (Jan. 1938) Fieldner, Arno C.—Fuels of Today and Tomorrow (Aug. 1937)	19 35
Fish, Dr. M. J. and F. Peiter—Insulation Computations (May 1938)	31
Fowle, Frank F.—The Economics of Subsidized Power	29
Garland, C. M.—Utilizing Waste Fuel at Antioch Power Co (May 1938)	22
Gould, G. B.—The Guffey Act, the Coal Market and the Industrial	
Consumer	41
(Nov. 1937) Harvey, Arthur R.—Improvements in Power Plant of The Gard-	35
ner-Richardson Company	29
ing Station(Feb. 1938)	31
Johnson, H. A. and C. A. Kelting—Steam Generating Equipment at Waterside Station, New York(Sept. 1937)	20
Kaiser, E. R. and R. A. Sherman—Segregation of Coal in an Industrial Steam Plant Bunker(Dec. 1937)	25
Kelting, C. A. and H. A. Johnson—Steam Generating Equipment at Waterside Station, New York(Sept. 1937)	20
Kreisinger, Henry—Combustion of Pulverized Coal. (Jan. 1938)	23
The Significance of Sulphur in Coal to the Consumer. (July 1937) Kuljian, Harry A.—Marcus Hook Plant of American Viscose Cor-	28
poration	20 27
Mary, F.—Some Failures of Vertical Superheaters(Oct. 1937)	37 36
Mitchell, David R.—Segregation in Handling of Coal. (Nov. 1937) Nicastro, C. J.—The Engineer's Societies (Feb. 1938)	24
Nicholls, P.—The Chemical Treatment of Coal and Coke	36
Orrok, George A. and N. C. Artsay—Estimation of Radiant Heat Exchange in Boiler Furnaces(Apr. 1938) Orrok, George A.—Waterside No. 1 Station—The Third Step in	37
Orrok, George A.—Waterside No. 1 Station—The Third Step in Central Station Development in New York(Sept. 1937)	30
Parker, Leo. T.—Liability of Employers(July 1937)	23
When an Engineer is Liable for Defective Plans and Specifica- tions(May 1938)	36
tions	31
Philo, Frank G.—Burning Fuel Oil and Natural Gas. (Apr. 1938)	27
Place, P. B.—Testing Steam Condensate for Its Quality and Purity(Mar. 1938)	25
West Virginia Coals—Their Classification and Analyses (Aug. 1937)	27
Powell, Sheppard T.—Steam Contamination. Parts I, II, III (Sept. 1937-Nov. 1937)	
See Steam Contamination—Article Index Reitzel, J. A.—New Steam Generating Unit Carries Morris Paper	
Mills Load	16
(Apr. 1938)	20
Rosencrants, F. H.—Present Trends of Industrial Power Plant Practice(Apr. 1938)	31
Schiefer, H. V.—Minimizing Coal Segregation(Mar. 1938) Sengstaken, J. H.—Heat Transfer—Counterflow vs. Parallel Flow	36
(July 1937) Sherman, R. A.—Coal Selection(Nov. 1937)	16
Sherman, R. A.—Coal Selection	34
Spear, Robert D.—Evaporators and Their Applications	25
(Aug. 1937) Spies, F. H.—"Topping" 12th St. Station, Virginia Electric and	19
Power Company	18 33
Thorson, A. W.—Burning Blast-Furnace Gas at Delray	
(Dec. 1937)	20

	P	AGE
Tobey, J. E.—Coal Selection for Underfeed Stokers. (Nov.	1937)	33
Toensfeldt, Kurt-Circulation in Boiler Tubes (Aug.	1937)	24
Van Deventer, F. M.—The Flow of Steam in Pipes (Oct.	1937)	24
The Flow of Water and Compressed Air in Pipes(Nov.	1937)	38
Warren, G. B53,000-Kw, 3600-Rpm, Superposed Turbin	ne for	
Waterside Station(June	1938)	27
Weeks, D. CSmoke Prevention and Elimination of Dust	from	
Stacks of Generating Stations(July		21
White, A. E.—Metallurgy of Power Plants(June		33
· ·		

STEAM ENGINEERING ABROAD

Atmospheric Pollution in England (Aug. 1937)	41
Automatic Feedwater Regulator(Sept. 1937)	45
British Discuss Dual Firing(Aug. 1937)	42
British Electricity Output	45
Burning Fraised Peat (Dec. 1937)	38
Burning Fraised Peat. (Dec. 1937) Causes of Boiler Failures in Germany (Jan. 1938)	38
Colloidal Fuel(July 1937)	35
Condenser at Oslo (Nov. 1937)	46
Condenser at Oslo	39
Dalmarnock Extension(Nov. 1937)	45
Drop Condensation of Steam (Nov. 1937)	45
Drop Condensation of Steam	37
Duct Insulation at Hams Hall (July 1937)	34
Early Forced-Circulation Boiler An (Dec. 1937)	39
Effect of Secondary Air on Mixing (Mar. 1938)	38
Effect of Secondary Air on Mixing. (Mar. 1938) Electrostatic Dust Precipitators in British Stations. (May 1938)	41
Elements and Control of Velov Steam Generator (Apr. 1938)	43
Experiences in Burning Anthracite Duff (Mar. 1938)	38
Elements and Control of Velox Steam Generator (Apr. 1938) Experiences in Burning Anthracite Duff	00
(July 1937)	33
Gas Detoxification(Sept. 1937)	
Cas Washing on Shine (Sept. 1937)	47
Crid Operations for 1937 (May 1938)	39
Gas Washing on Ships. (Sept. 1937) Grid Operations for 1937. (May 1938) High Heat Release Attained with Lancashire Boiler. (Jan. 1938)	39
High Pressure and High Temperature for Battersea Extension	99
(Oct. 1937)	35
High-Pressure Heat Storage for Standby Station (Nov. 1937)	47
High Programs Posisposeting France	40
High Pressure Steem Assumulators (Cont. 1937)	45
High-Pressure Reciprocating Engine	40
(Aug. 1937)	39
Hot Woter Central Hesting (Aug. 1997)	40
Hot Water Central Heating	39
Largest La Mont Roiler (Dec. 1997)	37
Largest La Mont Boiler (Dec. 1937) Largest La Mont Steam Generator, The (Apr. 1938) Ljungström Turbines at Brighton (July 1937)	45
Lingeström Turbines et Brighten (July 1997)	33
Marina Stokara (July 1937)	35
Marine Stokers (July 1937) Moisture Deposits in Regenerative Heaters (Nov. 1937)	47
New Danish Power Station	41
Nickel Alloys for Velve Parts (Ian 1938)	37
Operating Experiences with Large Benson Boilers (May 1938 Overfire Air (Feb. 1938 Performance of British Power Stations (Feb. 1938	39
Overfire Air (Feb. 1938)	37
Performance of British Power Stations (Feb. 1938)	37
Performance of British Stations(Oct. 1937)	35
Pipe Bends as Flow Meters(Apr. 1938)	44
Piping Materials(Oct. 1937)	35
Power in Japan (Aug 1937)	39
Rapid Feedwater Treatment (Feb. 1938)	38
Rapid Feedwater Treatment (Feb. 1938 Russian Program Calls for Large Forced-Circulation Boilers	- 0
(Oct 1027)	25
Schmidt-Hartmann Boiler for Marine Service (Aug. 1937	41
Selection of Power Plant Materials (Feb. 1938)	36
Small Industrial "Top" (Apr. 1938 Steinmüller Pusher Grate (May 1938	44
Steinmüller Pusher Grate (May 1938	39
Stoker and Pulverizer Lubrication (Sept. 1937)	45
Suggested Rombarcof Power Station (May 1938)	41
Temperature Measurements of Gases (May 1938 Topping Unit for Paper Mill (Feb. 1938	40
Topping Unit for Paper Mill(Feb. 1938)	39
Trends in British Practice (May 1928)	38
Trends in German Power Practice (Dec. 1937)	37
Trends in German Power Practice. (Dec. 1937 Why Exceed 1000 Lb per Sq In. ? (Feb. 1938	36
Year's Performance at Fulham(Jan. 1938	37

REVIEW OF NEW BOOKS

Air-Conditioning, By Richard E. Holmes(May 1938) Air-Conditioning Furnaces and Unit Heaters. By J. R. Dalzell	42
	42
	41
	41
Elements of Thermodynamics, Second Edition. By Ernest M.	42
	42
Oil Business Per Volume Chairman (Feb. 1990)	41
On Durners. By Raiman Steiner. (Feb. 1938)	
Practice of Lubrication, The. By T. C. Thomson(May 1938)	42
Sheet Metal Work. By William Neubecker(May 1938)	42
Symposium on Significance of Tests of Coal (Feb. 1938)	42
Thermodynamics. By H. A. Everett (Feb. 1938)	41
Westinghouse, George (Feb. 1938)	42
	Air-Conditioning Furnaces and Unit Heaters. By J. R. Dalzell (May 1938) Axial Flow Fans. By Kurt Keller. (Feb. 1938) Current Titles. (Feb. 1938) Elements of Thermodynamics, Second Edition. By Ernest M. Fernald. Handbook of Arc Welding. (May 1938) Oil Burners. By Kalman Steiner. (Feb. 1938) Practice of Lubrication, The. By T. C. Thomson. (May 1938) Sheet Metal Work. By William Neubecker (May 1938) Symposium on Significance of Tests of Coal. (Feb. 1938) Thermodynamics. By H. A. Everett (Feb. 1938)

